Nikon Riflescope Monarch

6.5-20x44 A0 Dual Illuminated Reticle
3.5-10x50 Dual Illuminated Reticle

Instruction manual

Congratulations on your choice of a Nikon RIFLESCOPE. Your new scope is the finest example of Nikon's rugged and durable construction and precision bright optics; important qualities for a serious shooter's riflescope.
Whether you use your scope for hunting or for target shooting, the procedure for mounting is identical. You should acquire a set of high quality steel mounting rings which have a standard diameter of 25.4 mm (1inch). Follow the ring manufacturer's instructions for mounting procedures. After mounting the scope on your rifle, follow the procedures for reticle alignment.

Caution

(1) Do not look at the sun through the riflescope. It will permanently damage your eye. This precaution applies to all optical devices such as cameras and binoculars.

(2) The riflescope is effectively sealed against moisture and dust. You may use your scope safely either in the rain or in dusty climates. To preserve the appearance of the scope, we suggest that it be dried and cleaned prior to storage. Use a soft cloth for cleaning metal surfaces and use photographic lens tissue to clean the scope's lenses.

When setting the reticle for hunting, you should determine your standard range and then adjust the reticle based upon that target distance. For targets which vary from that standard distance you may simply adjust the position of the reticle in relation to your target, or you may wish to use the procedure for trajectory compensation. It's up to your personal preference.

We hope that you will enjoy your new Nikon RIFLESCOPE for many years to come. Enjoy using it, and above all, always follow safe shooting procedures!

The product(s) described herein may be subject to export control regulations in the relevant country(ies). It (they) should not be exported without authorization of the exporting governmental authority if the regulations apply.

1. Nomenclature

(1) Objective Lens
(2) Eyepiece Lens
(3) Elevation Adjustment
(4) Windage Adjustment
(5) Eyepiece Adjustment
(6) Power Index Dot
(7) Power Scale
(8) Power Selector Ring
(9) Adjustable Objective Adjustment Ring
(10) Adjustable Objective Distance Scale
(11) Distance Index Dot
(12) Adjustment Cap
(13) Rheostat Intensity Dial
(14) Battery Compartment Cover

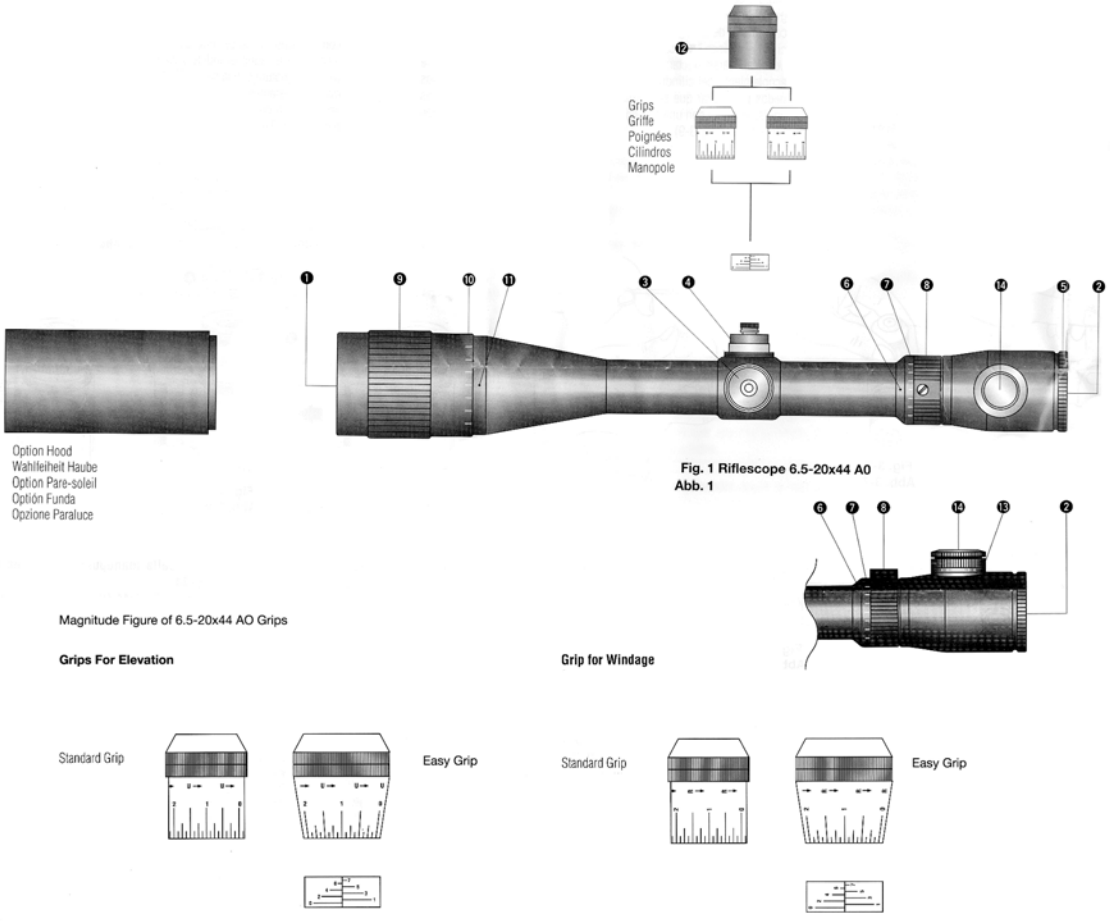
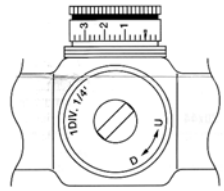


Fig. 1 Riflescope 6.5-20x44 A0
Abb. 1



Magnified Figure of Hand turn Grip

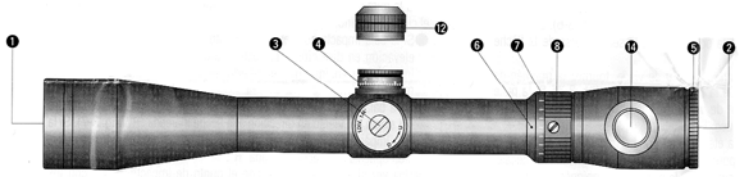
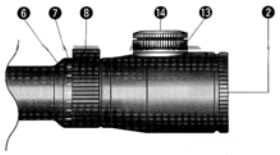


Fig. 2 Riflescope 3.5-10x50



ITEM SUPPLIED

Body	1pc.
Eyepiece cap Objective cap	1pair
Battery (3V Lithium battery : CR2032)	1pc.
Easy Grips (6.5-20x44 only)	2pcs.
Allen wrench (6.5-20x44 only)	1pc.

2. Specifications

Model		**6.5-20x44 A0 MONARCH**	**3.5-10x50 MONARCH**
Actual Magnification		6.5x-19.46x	3.5x-10x
Objective Diameter	(mm) (in)	44 1.73	50 1.97
Exit Pupil	(mm) (in)	6.7-2.2 0.26-0.09	14.3-5 0.56-0.20
Eye Relief	(mm) (in)	89-81 3.5-3.1	100-98 3.9-3.8
Battery		3-Volts Lithium CR2032	
Reticle Intensity Adjustment		6 position (OFF to 5) for Green color and Red color	
Field of View at 100yds.	(m) (ft)	4.9-1.6 16.1-5.4	7.8-2.7 25.5-8.9
Tube Diameter	(mm) (in)	25.4 1	25.4 1
Objective Tube Dia.	(mm) (in)	54 2.13	57.3 2.2
Length	(mm) (in)	375 14.77	355 13.98
Weight	(g)	640	520

	(oz)	22.5	18.3
Adjustment Graduation	*	1/8:1 click	1/4:1 click
	(moa)	1/8:1 div	1/4:1 div
Maximum Internal. Adjustment (Elevation & Windage)	* (moa)	38	45
Parallax Settings * *	(m)	at least 45-∞	91.44
	(yds)	at least 50-∞	100
Outside Diameter of Eyepiece	(mm)	38	38
	(in)	1.5	1.5

* moa=minute of angle
* * Nikon riflescopes are factory set to be parallax free at 100 yds. (91.44 m) 6.5-20x44 A0 allow free adjustment from 50 yds. (45.72 m) up to infinite point.

Instructions

(1) Battery

CAUTION: When installing batteries, make sure the firearm is unloaded. Use safe firearm handling practices at all times.

Your Nikon Monarch 6.5-20x44 A0 and 3.5-10x50 Dual Illuminated Reticle are powered by one 3V lithium battery (CR2032 or equivalent). When your reticle grows dim or not light at all, you need to replace the battery.

(1) How to replace battery.

1. Hold the rheostat intensity dial tightly and turn the cover with your fingers counter-clockwise.
2. Take out the old battery and put one 3V Lithium Battery into the compartment. Be sure (+) side to be up.
3. Put the cover back and turn it clockwise with your fingers until the cover is firmly secured.
4. Turn the rheostat intensity dial to the desired color (red or green) and intensity (OFF to 5 : 6 steps).

(2) Focusing

1. Look through the eyepiece with your eye positioned about 10cm (4 in) away from the eyepiece lens (Fig. 3-1), and you will see the Nikoplex reticle (Fig. 3-2), or the Miliradian Dot reticle (Fig. 3-3).
   Be sure your eye is positioned within proper alignment and proper eye relief otherwise the view will “black out”.
2. Point the objective end of the scope at the sky (Do not point at the sun) or at a plain unpatterned wall.

Turn the eyepiece adjustment counter-clockwise and then turn it clockwise until the reticle appears sharp.

1. Eyepiece Adjustment
2. Eye Relief

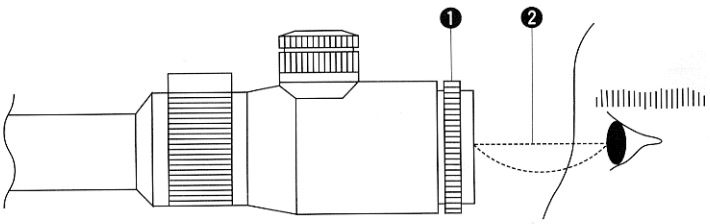


Fig. 3-1
Abb. 3-1

The reticle should be immediately crisp and clear to the quick glance.

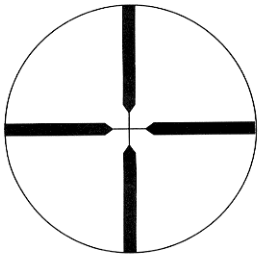


Fig. 3-2
Abb. 3-2

Nikoplex Reticle

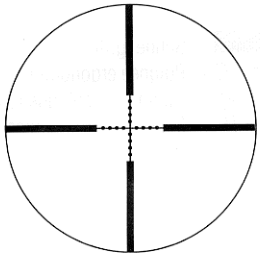


Fig. 3-3
Abb. 3-3

Miliradian Dot Reticle

The reticle should be immediately crisp and clear to the quick glance.

(3) Magnification

- The riflescope 6.5-20x44 A0 has a variable magnification from 6.5 to 20X, 3.5-10x50 from 3.5 to 10X.
  To change powers, just rotate the power selector ring until the desired magnification appears adjacent to the power index dot.

(4) Adjustment and Zero setting of Hand-turn grip for 3.5-10x50

For the riflescope 3.5-10x50, adjustment is made by turning the grip by hand.

- If the bullet hits under the aiming point, turn the elevation adjustment (counter-clockwise) in the direction of the arrow marked “U” for up as in Fig. 3-4. If the bullet hits high, turn adjustment (clockwise) in the direction of the arrow marked “D” for down.
- If the bullet hits to the right of the aiming point, turn the windage adjustment (clockwise) in the direction of the arrow marked “L” for left as in Fig. 3-5. If

the bullet hits to the left of the aiming point, turn adjustment (counter clockwise) in the direction of the arrow marked “R” for right.

- After the reticle has been adjusted to the point of impacts, with the grip held with your fingers to avoid shifting of the aligned grip, turn the grip screw in top of the grip counter clockwise with coin. Then lift the grip up and align the “▼” with the index mark. It may happen that the “▼” could not align with the index mark exactly because of the coupling pitch of the grip with the shaft. And by securing the grip with your fingers to avoid shifting of the grip, turn the grip screw clockwise with the coin until the grip is firmly secured. (Fig. 3-9)

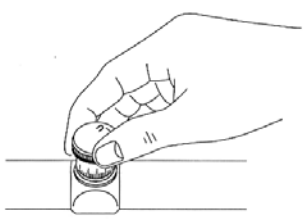


Fig. 3-4
Abb. 3-4

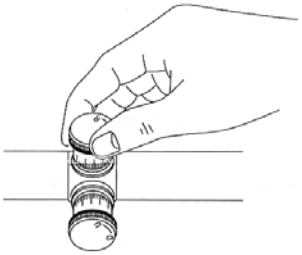


Fig. 3-5
Abb. 3-5

Fig. 3-6
Abb. 3-6

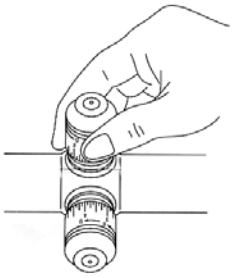


Fig. 3-7
Abb. 3-7

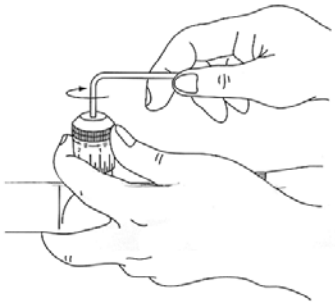


Fig. 3-8
Abb. 3-8

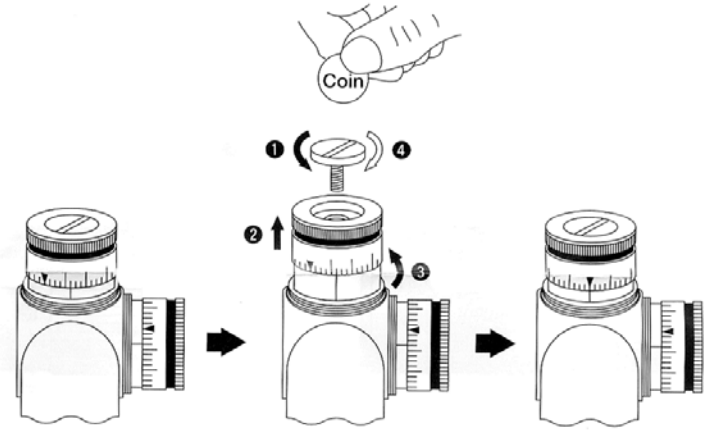


Fig. 3-9
Abb. 3-9

(5) Adjustment and Zero setting of Hand-turn grip for 6.5-20x44

For the riflescope 6.5-20x44 A0, adjustment is made by turning the grip by hand.

- If the bullet hits under the aiming point, turn the elevation grip in the direction of the arrow marked “U” (Fig. 3-6). If the bullet hits high, turn the grip in the opposite direction of the arrow marked “U”.
- If the bullet hits to the left of the aiming point, turn the windage grip in the direction of the arrow marked “R” (Fig. 3-7). If the bullet hits to the right of

the aiming point, turn the grip in the opposite direction of the arrow marked "R".

- After the reticle has been adjusted to the point of impacts, with the grip held with your fingers to avoid shifting of the aligned grip, turn the grip screw in top of the grip counterclockwise with Allen wrench. Then lift the grip up and align the "▼" with the index mark. It may happen that the "▼" could not align with the index mark exactly because of the coupling pitch of the grip with the shaft. And by securing the grip with your fingers to avoid shifting of the grip, turn the grip screw clockwise with the Allen wrench until the grip in firmly secured. (Fig. 3-8)

Note:

- The windage and elevation scales of the riflescope 3.5-10x50, are calibrated in division of 1/4 minute of angle with a click at intervals of 1/4 minute of angle (one division).
  The windage and elevation scales of the riflescope 6.5-20x40 A0 are calibrated in division of 1/8 minute of angle with a click at intervals of 1/8 minute of angle (one division).
- When adjusting the reticle to the point of aim, remember that one minute of angle equals approximately one inch (2.54 cm) at 100 yards (91.44 m). Therefore, if the impact point is two inches (5.08 cm) low and one inch (2.54 cm) right at 100 yards (91.44 m) Parallax Setting, you should adjust two minutes of angle up one minute of angle left. In case of 50 yards (45.72 m). Parallax Setting the adjusting value is double. In case of 75 yards (68.58 m) Parallax Setting is 1.5 times.

(6) Adjustable objective

The riflescope 6.5-20x44 A0, can be more precisely focused within the range of at least 50 yards (45.72 m) ~ infinity by rotating the objective adjusting ring. Parallax can be eliminated and sight alignment will be accurate. Use its distance scale as a reference guide. Rotation of the adjusting ring is intentionally adjusted to be heavy at the factory, so that it will not move easily during shooting.

(7) Changing the grip (6.5-20x44 A0 only)

Remove the protective cap of the grip by turning it counterclockwise. Align the grip to the 0 (zero) position of the scale ring. This is to assure that the scale ring will be correctly aligned to the new grip (the alignment position should be remembered).

With the grip held with your fingers to avoid shifting of the aligned scale ring, turn the grip screw in the top of the grip counter-clockwise with the Allen wrench supplied until the grip screw comes out. Then remove the grip (Fig. 3-8). Insert the new grip into position and align the scale ring to 0.

Insert the grip screw. By securing the grip with your fingers to avoid shifting of the scale ring, turn the bolt clockwise with the Allen wrench supplied, until the grip is firmly secured.

Maintenance

(1) Lens cleaning
To remove dirt or fingerprint, soak gauze or lens cleaning paper (silicon-free paper sold at camera shop) with a small quantity of absolute alcohol (available from drugstore) and lightly wipe off. Wiping with leather chamois is not recommended as it is likely to damage the lens surface.
Dust may scratch the lens surface or corrode the lens.
Brush dust off using a soft oil-free brush.

(2) Scope Exterior
Use a soft dry cloth to wipe off any dirt or fingerprints that might accumulate.
It is not necessary to oil the scope's surface.

(3) Windage/Elevation Adjustments
These adjustments are permanently lubricated. Do not attempt to lubricate them. Cover with caps supplied, except when adjusting, to keep out dust and dirt.

(4) Eyepiece Adjustment
This adjustment is permanently lubricated. Do not attempt to lubricate.

(5) Power Selector Ring
No lubrication is required on the power selector ring.
Do not loosen or remove screws in power selector ring.

In the event that you should require service for your Nikon RIFLESCOPE, in case of USA market, please send it directly to:
Nikon Scope Service
841 Apollo Street, Suite 100
El Segundo, CA. 90245-4721
1-800-Nikon SV.
In other market, please bring it to dealer from which you purchased it.

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